

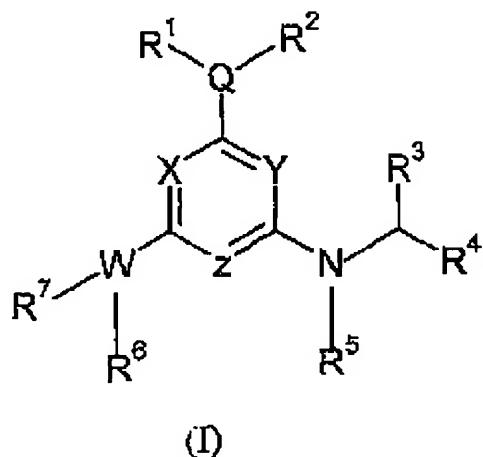
IAP17 Rec'd PCT/PTO 27 DEC 2005

In the Claims:

The current status of all claims is listed below and supercedes all previous lists of claims.

Please cancel claims 41-43, and amend claims 1, 12-19, 34-40, and 44-49 as follows:

1. (currently amended) A compound of formula(I) or a pharmaceutically acceptable salt thereof:



wherein:

Q is C, CH or N;

W is N or S, when W is S, R⁶ is not present;

X is C or N, provided that when Y and Z are C, X is N;

Y is C or N, provided that when X and Z are C, Y is N;

Z is C or N, provided that when X and Y are C, Z is N;

R¹ and R² are at each occurrence independently selected from H, CH₃, optionally substituted C₁₋₆alkyl, optionally substituted carbocycle, or optionally substituted heterocycle; or R¹ and R² in combination can form an optionally substituted heterocycle, or an optionally substituted carbocycle;

R³ is selected from H, or optionally substituted C₁₋₆alkyl;

R⁴ is selected from H, optionally substituted C₁₋₆alkyl, -C(=O)OCH₃, optionally substituted carbocycle, -C(=O)NH(CH₂) heterocycle, or -C(=O)NH(CH₂)CH₃;

R⁵ is selected from H, or CH₃;

R⁶ is selected from H; and

R⁷ is selected from optionally substituted carbocycle.

2. (original) A compound of claim 1, wherein:

Q is N.

3. (original) A compound of claim 1, wherein:

W is S, and R⁶ is not present.

4. (original) A compound of claim 1, wherein:

X is C.

5. (original) A compound of claim 1, wherein:

Y is N.

6. (original) A compound of claim 1, wherein:

Z is N.

7. (original) A compound of claim 1, wherein:

R¹ and R² are at each occurrence are independently selected from H, or optionally substituted carbocycle, or optionally substituted heterocycle.

8. (original) A compound of claim 1, wherein:

R³ is an optionally substituted C₁₋₆alkyl.

9. (original) A compound of claim 1, wherein:

R⁴ is-C(=O)NH(CH₂) heterocycle.

10. (original) A compound of claim 1, wherein:
 R^5 is selected from H.
11. (original) A compound of claim 1, wherein:
 R^7 is an optionally substituted carbocycle.
12. (currently amended) A compound of claim 1, wherein:
Q is N or C;
W is S, and R^6 is not present;
X is C or N, provided that when Y and Z are C, X is N;
Y is C or N, provided that when X and Z are C, Y is N;
Z is C or N, provided that when X and Y are C, Z is N;
 R^1 and R^2 are at each occurrence independently selected from H, or optionally substituted carbocycle; or optionally substituted heterocycle or optionally substituted C₁₋₆alkyl;
 R^3 is selected from H, or optionally substituted C₁₋₆alkyl;
 R^4 is selected from H, -C(=O)NH(CH₂) heterocycle or optionally substituted carbocycle;
 R^5 is selected from H; and
 R^7 is selected from optionally substituted carbocycle.
13. (currently amended) A compound of claim 1, wherein:
Q is N or C;
W is S, and R^6 is not present;
X is C or N, provided that when Y and Z are C, X is N;
Y is C or N, provided that when X and Z are C, Y is N;
Z is C or N, provided that when X and Y are C, Z is N;
 R^1 and R^2 are at each occurrence independently selected from H, or optionally substituted carbocycle; or optionally substituted heterocycle or optionally substituted C₁₋₆alkyl;
 R^3 is selected from H, or optionally substituted C₁₋₆alkyl;

R^4 is selected from H, or $-C(=O)NH(CH_2)$ heterocycle;

R^5 is selected from H; and

R^7 is selected from optionally substituted carbocycle.

14. (currently amended) A compound of claim 1, wherein:

Q is N or C;

W is S, and R^6 is not present;

X is C or N, provided that when Y and Z are C, X is N;

Y is C or N, provided that when X and Z are C, Y is N;

Z is C or N, provided that when X and Y are C, Z is N;

R^1 and R^2 are at each occurrence independently selected from H, or optionally substituted carbocycle; or optionally substituted heterocycle;

R^3 is selected from H, or optionally substituted C₁₋₆alkyl;

R^4 is selected from H, $-C(=O)NH(CH_2)$ heterocycle;

R^5 is selected from H; and

R^7 is selected from optionally substituted carbocycle.

15. (currently amended) A compound of claim 1, wherein:

Q is N or C;

W is S, and R^6 is not present;

X is C or N;

Y is N;

Z is N;

R^1 and R^2 are at each occurrence independently selected from H, or optionally substituted carbocycle; or optionally substituted heterocycle;

R^3 is selected from H, or optionally substituted C₁₋₆alkyl;

R^4 is selected from H, $-C(=O)NH(CH_2)$ heterocycle;

R^5 is selected from H; and

R^7 is selected from optionally substituted carbocycle.

16. (currently amended) A compound of claim 1, wherein:

Q is N;

W is S, and R⁶ is not present;

X is C or N;

Y is N;

Z is N;

R¹ and R² are at each occurrence independently selected from H, or optionally substituted carbocycle; or optionally substituted heterocycle;

R³ is selected from H, or optionally substituted C₁₋₆alkyl;

R⁴ is selected from H, -C(=O)NH(CH₂)heterocycle;

R⁵ is selected from H; and

R⁷ is selected from optionally substituted carbocycle.

17. (currently amended) A compound of claim 1, wherein:

Q is N;

W is S, and R⁶ is not present;

X is C;

Y is N;

Z is N;

R¹ and R² are at each occurrence independently selected from H, or optionally substituted carbocycle; or optionally substituted heterocycle;

R³ is selected from H, or optionally substituted C₁₋₆alkyl;

R⁴ is selected from H, -C(=O)NH(CH₂)heterocycle;

R⁵ is selected from H; and

R⁷ is selected from optionally substituted carbocycle.

18. (currently amended) A compound ~~according~~ according to claim 1 selected from:

Methyl N-{4-[(3-fluorophenyl)amino]-6-[(2-hydroxypropyl)amino]-1,3,5-triazin-2-yl}-L-leucinate;

Methyl N-{4-[(3-fluorophenyl)amino]-6-morpholin-4-yl-1,3,5-triazin-2-yl}-L-leucinate;

(2R)-2-({4-[(3-fluorophenyl)amino]-6-[(3-methoxypropyl)amino]-1,3,5-triazin-2-yl} amino)-4-methylpentan-1-ol;

Methyl N-{4-[(3-fluorophenyl)amino]-6-[(4-methoxybenzyl)amino]-1,3,5-triazin-2-yl}-D-leucinate;

Methyl N-{4-[(cyclopropylmethyl)amino]-6-[(3-fluorophenyl)amino]-1,3,5-triazin-2-yl}-D-leucinate;

Methyl N-{4-[(3-fluorophenyl)amino]-6-[(3-methoxypropyl)amino]-1,3,5-triazin-2-yl}-D-leucinate;

(2R)-2-({4-[(cyclopropylmethyl)amino]-6-[(3-fluorophenyl)amino]-1,3,5-triazin-2-yl} amino)-4-methylpentan-1-ol;

Methyl N-{4-[(3-fluorophenyl)amino]-6-[(tetrahydrofuran-2-ylmethyl)amino]-1,3,5-triazin-2-yl}-L-leucinate;

Methyl N-(4-[(3-fluorophenyl)amino]-6-{[3-(1H-imidazol-1-yl)propyl]amino}-1,3,5-triazin-2-yl)-L-leucinate;

Methyl N-{4-[(2-anilinoethyl)amino]-6-[(3-fluorophenyl)amino]-1,3,5-triazin-2-yl}-L-leucinate;

Methyl N-{4-[(3-fluorophenyl)amino]-6-[(2-hydroxy-2-phenylethyl)amino]-1,3,5-triazin-2-yl}-L-leucinate;

Methyl N-(4-[(3-fluorophenyl)amino]-6-{[2-(4-methoxyphenyl)ethyl]amino}-1,3,5-triazin-2-yl)-L-leucinate;

Methyl N-{4-[(2,3-dihydroxypropyl)amino]-6-[(3-fluorophenyl)amino]-1,3,5-triazin-2-yl}-L-leucinate;

Methyl N-[4-[(3-fluorophenyl)amino]-6-(3-hydroxypyrrolidin-1-yl)-1,3,5-triazin-2-yl]-L-leucinate;

Methyl N-{4-[(2-amino-2-oxoethyl)(methyl)amino]-6-[(3-fluorophenyl)amino]-1,3,5-triazin-2-yl}-L-leucinate;

(2R)-2-[(4-[(3-fluorophenyl)amino]-6-{[2-(4-methoxyphenyl)ethyl]amino}-1,3,5-

triazin-2-yl)amino]-4-methylpentan-1-ol;

Methyl N-{4-[(2-cyanoethyl)(methyl)amino]-6-[(3-fluorophenyl)amino]-1,3,5-triazin-2-yl}-L-leucinate;

Methyl N-[4-[(3-fluorophenyl)amino]-6-(4-pyridin-4-ylpiperazin-1-yl)-1,3,5-triazin-2-yl]-L-leucinate;

Methyl N-{4-(4-cyano-4-phenylpiperidin-1-yl)-6-[(3-fluorophenyl)amino]-1,3,5-triazin-2-yl}-L-leucinate;

Methyl N-{4-[(3-fluorophenyl)amino]-6-[(3-hydroxy-2,2-dimethylpropyl)amino]-1,3,5-triazin-2-yl}-L-leucinate;

Methyl N-{4-[(3-fluorophenyl)amino]-6-[(3-morpholin-4-ylpropyl)amino]-1,3,5-triazin-2-yl}-L-leucinate;

Methyl N-{4-({2-[4-(aminosulfonyl)phenyl]ethyl}amino)-6-[(3-fluorophenyl)amino]-1,3,5-triazin-2-yl}-L-leucinate;

Methyl N-{4-[(2-dimethylamino)ethyl]amino}-6-[(3-fluorophenyl)amino]-1,3,5-triazin-2-yl}-L-leucinate;

Methyl N-(4-[(3-fluorophenyl)amino]-6-{{[2-(2-hydroxyethoxy)ethyl]amino}-1,3,5-triazin-2-yl})-L-leucinate;

Methyl N-{4-[(2-fluorophenyl)amino]-6-[(4-hydroxybutyl)amino]-1,3,5-triazin-2-yl}-L-leucinate;

Methyl N-(4-[(3-fluorophenyl)amino]-6-{{[3-(2-oxopyrrolidin-1-yl) propyl]amino}-1,3,5-triazin-2-yl})-L-leucinate;

Methyl N-[4-[(3-fluorophenyl)amino]-6-(4-methoxyphenyl)-1,3,5-triazin-2-yl]-L-leucinate;

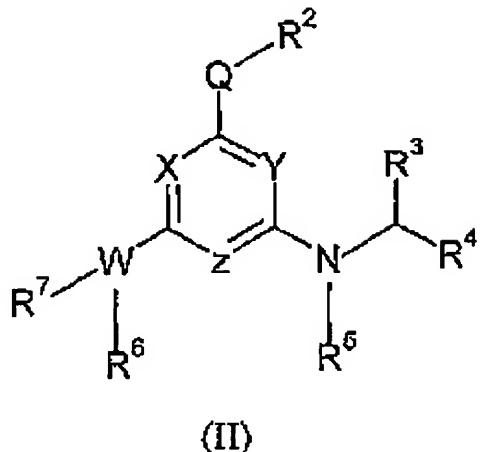
Methyl N-[4-[(3-fluorophenyl)amino]-6-(4-methoxybenzyl)-1,3,5-triazin-2-yl]-D-leucinate;

Methyl N-[4-[(3-fluorophenyl)amino]-6-(4-methoxybenzyl)-1,3,5-triazin-2-yl]-glycinate;

(2S)-2-{{[4-[(3-fluorophenyl)amino]-6-(4-methoxybenzyl)-1,3,5-triazin-2-yl]amino}-4-methylpentan-1-ol;

N²-Benzyl-N⁴-(3-fluorophenyl)-6-(4-methoxybenzyl)-1,3,5-triazine-2,4-diamine;
N²-{4-[{(5-fluoro-2-methylphenyl)amino]-6-[(4-methoxyphenyl)thio]pyrimidin-2-yl}-N¹-(tetrahydrofuran-2-ylmethyl)-L-leucinamide;
N²-{4-[{(5-fluoro-2-methylphenyl)amino]-6-[(4-methoxyphenyl)thio]pyrimidin-2-yl}-N¹-propyl-L-leucinamide;
N²-{4-[(3-cyanophenyl)amino]-6-[(4-methoxyphenyl)thio]pyrimidin-2-yl}-N¹-(tetrahydrofuran-2-ylmethyl)-L-leucinamide;
N²-{4-[(5-Chloro-2-methylphenyl)amino]-6-[(4-methoxyphenyl)thio]pyrimidin-2-yl}-N¹-(tetrahydrofuran-2-ylmethyl)-L-leucinamide;
N²-{4-[(3,5-Difluorophenyl)amino]-6-[(4-methoxyphenyl)thio]pyrimidin-2-yl}-N¹-(tetrahydrofuran-2-ylmethyl)-L-leucinamide;
Methyl N-[4-[(3-fluorophenyl) amino]-6-(4-methoxybenzyl)pyrimidin-2-yl]-L-leucinate;
Methyl N-[2-[(3-fluorophenyl) amino]-6-(4-methoxybenzyl)pyrimidin-4-yl] -L-leucinate;
(S)-2-[4-(3-Fluoro-phenylamino)-6-(4-methoxy-phenylsulfanyl)-1-oxy-pyridin-2-ylamino]-4- methyl-pentanoic acid methyl ester;
2-[6-(3-Fluoro-phenylamino)-2-(4-methoxy-phenylsulfanyl)-pyrimidin-4-ylamino]-4- methyl-pentanoic acid methyl ester;
(S)-2-[4-(3-Cyano-phenylamino)-6-(quinolin-8-ylsulfanyl)-pyrimidin-2-ylmethyl]-4- methyl-pentanoic acid (tetrahydro-furan-2-ylmethyl)-amide; and
(S)-2-[4- (4-Amino-phenylsulfanyl)-6-(3-cyano-phenylamino)-pyrimidin-2-ylmethyl]-4- methyl-pentanoic acid (tetrahydro-furan-2-ylmethyl)-amide; amide.

19. (currently amended) A compound of formula (II) or a pharmaceutically acceptable salt thereof:



wherein:

Q is O, S, SO or SO_2 ;

W is N or halogen, when W is halogen neither R^6 nor R^7 are present;

X is C or N, provided that when Y and Z are C, X is N;

Y is C or N, provided that when X and Z are C, Y is N;

Z is C or N, provided that when X and Y are C, Z is N;

R^2 is selected from H, optionally substituted C_{1-6} alkyl, optionally substituted carbocycle, or optionally substituted heterocycle;

R^3 is selected from H, or optionally substituted C_{1-6} alkyl;

R^4 is selected from H, optionally substituted C_{1-6} alkyl, optionally substituted heterocycle, cyano, $-\text{C}(=\text{O})\text{OCH}_3$, $-\text{C}(=\text{O})\text{OCH}_3$, $-\text{C}(=\text{O})\text{NH}_2$, $-\text{C}(=\text{O})\text{NH}$ -optionally substituted C_{1-6} alkyl, $-\text{C}(=\text{O})\text{NH}(\text{CH}_2)_{0-3}$ -optionally substituted carbocycle, $-\text{C}(=\text{O})\text{NH}(\text{CH}_2)_{0-3}$ -optionally substituted heterocycle, $-\text{C}(=\text{O})\text{NH}(\text{CH}_2)_{1-3}\text{N}(\text{CH}_3)_2$, $\text{C}(=\text{O})\text{NH}(\text{CH}_2)_{1-3}\text{C}(\text{OCH}_3)_2$, $\text{C}(=\text{O})\text{NH}(\text{CH}_2)_{1-3}\text{NHC}(=\text{O})\text{OC}(\text{CH}_3)_3$, $-\text{C}(=\text{O})\text{NH}(\text{CH}_2)_{1-3}\text{O}(\text{CH}_2)_{1-3}\text{OH}$, $-\text{C}(=\text{O})$ -optionally substituted heterocycle, $-\text{C}(=\text{O})\text{NH}(\text{CH}_2)_{1-3}\text{C}(=\text{O})\text{OCH}_3$, $-\text{C}(=\text{O})\text{NH}(\text{CH}_2)_{1-3}\text{OC}(\text{CH}_3)_3$, $-\text{C}(=\text{O})\text{NH}(\text{CH}_2)_{1-3}\text{SCH}_3$, or $\text{C}(=\text{O})\text{NH}(\text{CH}_2)_{1-3}\text{C}(=\text{O})\text{OH}$;

R^5 is selected from H, or CH_3 ;

or R^4 and R^5 in combination form an optionally substituted heterocycle;

R^6 is selected from H or CH_3 ; and

R^7 is selected from optionally substituted C_{1-6} alkyl, optionally substituted carbocycle,

optionally substituted heterocycle, or -(CH₂)₁₋₃-optionally substituted carbocycle.

20. (original) A compound of claim 19, wherein:

Q is S.

21. (original) A compound of claim 19, wherein:

W is N.

22. (original) A compound of claim 19, wherein:

X is N.

23. (original) A compound of claim 19, wherein:

X is C.

24. (original) A compound of claim 19, wherein:

Y is N.

25. (original) A compound of claim 19, wherein:

Y is C.

26. (original) A compound of claim 19, wherein:

Z is N.

27. (original) A compound of claim 19, wherein:

Z is C.

28. (original) A compound of claim 19, wherein:

R² is optionally substituted carbocycle.

29. (original) A compound of claim 19, wherein:

R³ is optionally substituted C₁₋₆alkyl.

30. (original) A compound of claim 19, wherein:

R⁴ is selected from, -C(=O)OCH₃, -C(=O)-optionally substituted heterocycle, -C(=O)NH(CH₂)₀₋₃-optionally substituted heterocycle, or -C(=O)NH(CH₂)₁₋₃SCH₃.

31. (original) A compound of claim 19, wherein:

R⁵ is selected from H, or CH₃.

32. (original) A compound of claim 19, wherein:

R⁶ is selected from H or CH₃.

33. (original) A compound of claim 19, wherein:

R⁷ is optionally substituted carbocycle.

34. (currently amended) A compound of claim 19:

wherein:

Q is S, SO or SO₂;

W is N;

X is C or N, provided that when Y and Z are C, X is N;

Y is C or N, provided that when X and Z are C, Y is N;

Z is C or N, provided that when X and Y are C, Z is N;

R² is selected from H, optionally substituted carbocycle, or optionally substituted heterocycle;

R³ is optionally substituted C₁₋₆alkyl;

R⁴ is selected from, -C(=O)OCH₃, -C(=O)-optionally substituted heterocycle, -C(=O)NH(CH₂)₀₋₃-optionally substituted heterocycle, -C(=O)NH(CH₂)₁₋₃SCH₃, optionally substituted heterocycle, cyano, -C(=O)NH₂, -C(=O)NH-optionally substituted C₁₋₆alkyl,

-C(=O)NH(CH₂)₀₋₃-optionally substituted carbocycle, -C(=O)NH(CH₂)₁₋₃N(CH₃)₂, C(=O)NH(CH₂)₁₋₃C(OCH₃)₂, C(=O)NH(CH₂)₁₋₃NHC(=O)OC(CH₃)₃, -C(=O)NH(CH₂)₁₋₃O(CH₂)₁₋₃OH, -, -C(=O)NH(CH₂)₁₋₃C(=O)OCH₃, -C(=O)NH(CH₂)₁₋₃OC(CH₃)₃, or C(=O)NH(CH₂)₁₋₃C(=O)OH;

R⁵ is H;

or R⁴ and R⁵ in combination form an optionally substituted heterocycle;

R⁶ is selected from H; and

R⁷ is selected from, optionally substituted carbocycle, optionally substituted heterocycle, or -(CH₂)₁₋₃-optionally substituted carbocycle.

35. (currently amended) A compound of claim 19:

wherein:

Q is S;

W is N;

X is C or N, provided that when Y and Z are C, X is N;

Y is C or N, provided that when X and Z are C, Y is N;

Z is C or N, provided that when X and Y are C, Z is N;

R² is selected from H, optionally substituted carbocycle, or optionally substituted heterocycle;

R³ is optionally substituted C₁₋₆alkyl;

R⁴ is selected from, -C(=O)OCH₃, -C(=O)-optionally substituted heterocycle,

-C(=O)NH(CH₂)₀₋₃-optionally substituted heterocycle, -C(=O)NH(CH₂)₁₋₃SCH₃, optionally substituted heterocycle, cyano, -C(=O)NH₂, -C(=O)NH-optionally substituted C₁₋₆alkyl,

-C(=O)NH(CH₂)₀₋₃-optionally substituted carbocycle, -C(=O)NH(CH₂)₁₋₃N(CH₃)₂,

C(=O)NH(CH₂)₁₋₃C(OCH₃)₂, C(=O)NH(CH₂)₁₋₃NHC(=O)OC(CH₃)₃, -C(=O)NH(CH₂)₁₋₃O(CH₂)₁₋₃OH, -, -C(=O)NH(CH₂)₁₋₃C(=O)OCH₃, -C(=O)NH(CH₂)₁₋₃OC(CH₃)₃, or C(=O)NH(CH₂)₁₋₃C(=O)OH;

R⁵ is H;

or R⁴ and R⁵ in combination form an optionally substituted heterocycle;

R⁶ is selected from H; and

R⁷ is selected from, optionally substituted carbocycle, optionally substituted heterocycle, or -(CH₂)₁₋₃-optionally substituted carbocycle.

36. (currently amended) A compound of claim 19:

wherein:

Q is S;

W is N;

X is C or N, provided that when Y and Z are C, X is N;

Y is C or N, provided that when X and Z are C, Y is N;

Z is C or N, provided that when X and Y are C, Z is N;

R² is selected from H, optionally substituted carbocycle;

R³ is optionally substituted C₁₋₆alkyl;

R⁴ is selected from, -C(=O)OCH₃, -C(=O)-optionally substituted heterocycle, -C(=O)NH(CH₂)₀₋₃-optionally substituted heterocycle, -C(=O)NH(CH₂)₁₋₃SCH₃, optionally substituted heterocycle, cyano, -C(=O)NH₂, -C(=O)NH-optionally substituted C₁₋₆alkyl, -C(=O)NH(CH₂)₀₋₃-optionally substituted carbocycle, -C(=O)NH(CH₂)₁₋₃N(CH₃)₂, C(=O)NH(CH₂)₁₋₃C(OCH₃)₂, C(=O)NH(CH₂)₁₋₃NHC(=O)OC(CH₃)₃, -C(=O)NH(CH₂)₁₋₃O(CH₂)₁₋₃OH, -, -C(=O)NH(CH₂)₁₋₃C(=O)OCH₃, -C(=O)NH(CH₂)₁₋₃OC(CH₃)₃, or C(=O)NH(CH₂)₁₋₃C(=O)OH;

R⁵ is H;

R⁶ is selected from H; and

R⁷ is selected from, optionally substituted carbocycle, optionally substituted heterocycle, or-(CH₂)₁₋₃-optionally substituted carbocycle.

37. (currently amended) A compound of claim 19:

wherein:

Q is S;

W is N;

X is C or N, provided that when Y and Z are C, X is N;

Y is C or N, provided that when X and Z are C, Y is N;

Z is C or N, provided that when X and Y are C, Z is N;

R² is an optionally substituted carbocycle;

R³ is optionally substituted C₁₋₆alkyl;

R⁴ is selected from, -C(=O)OCH₃, -C(=O)-optionally substituted heterocycle,

-C(=O)NH(CH₂)₀₋₃-optionally substituted heterocycle, -C(=O)NH(CH₂)₁₋₃SCH₃, optionally substituted heterocycle, cyano, -C(=O)NH₂, -C(=O)NH-optionally substituted C₁₋₆alkyl, -C(=O)NH(CH₂)₀₋₃-optionally substituted carbocycle, -C(=O)NH(CH₂)₁₋₃N(CH₃)₂, C(=O)NH(CH₂)₁₋₃C(OCH₃)₂, C(=O)NH(CH₂)₁₋₃NHC(=O)OC(CH₃)₃, -C(=O)NH(CH₂)₁₋₃O(CH₂)₁₋₃OH, -C(=O)NH(CH₂)₁₋₃C(=O)OCH₃, -C(=O)NH(CH₂)₁₋₃OC(CH₃)₃, or C(=O)NH(CH₂)₁₋₃C(=O)OH;

R⁵ is H;

R⁶ is selected from H; and

R⁷ is optionally substituted earboecyle, carbocycle.

38. (currently amended) A compound of claim 19:

wherein:

Q is S;

W is N;

X is C or N, provided that when Y and Z are C, X is N;

Y is C or N, provided that when X and Z are C, Y is N;

Z is C or N, provided that when X and Y are C, Z is N;

R² is an optionally substituted carbocycle;

R³ is optionally substituted C₁₋₆alkyl;

R⁴ is selected from, -C(=O)OCH₃, -C(=O)-optionally substituted heterocycle,

-C(=O)NH(CH₂)₀₋₃-optionally substituted heterocycle, -C(=O)NH(CH₂)₁₋₃SCH₃, optionally substituted heterocycle, -C(=O)NH₂, -C(=O)NH(CH₂)₀₋₃-optionally substituted carbocycle;

R⁵ is H;

R⁶ is selected from H; and

R⁷ is optionally substituted carbocycle.

39. (currently amended) A compound of claim 19:

wherein:

Q is S;

W is N;

X is C or N, provided that when Y and Z are C, X is N;

Y is C or N, provided that when X and Z are C, Y is N;

Z is C or N, provided that when X and Y are C, Z is N;

R² is optionally substituted carbocycle;

R³ is optionally substituted C₁₋₆alkyl;

R⁴ is selected from, -C(=O)OCH₃, -C(=O)-optionally substituted heterocycle, -C(=O)NH(CH₂)₀₋₃-optionally substituted heterocycle, or -C(=O)NH(CH₂)₁₋₃SCH₃;

R⁵ is selected from H;

R⁶ is selected from H; and

R⁷ is optionally substituted carbocycle.

40. (currently amended) A compound according to claim 19 selected from:

Methyl N-{4-(4-methoxyphenoxy)-6-[(thien-2-ylmethyl)amino]-1,3,5-triazin-2-yl}-L-leucinate;

Methyl N-[4-(4-methoxyphenoxy)-6-(2-pyridin-4-ylethyl)-1,3,5-triazin-2-yl]-L-leucinate;

Methyl N-[4-[(2,3-dihydroxypropyl)amino]-6-(4-methoxyphenoxy)-1,3,5-triazin-2-yl]-L-leucinate;

Methyl N-4-(4-methoxyphenoxy)-6-[(tetrahydrofuran-2-ylmethyl)amino]-1,3,5-triazin-2-yl}-L-leucinate;

Methyl N-[4-[(3-fluorobenzyl)amino]-6-(4-methoxyphenoxy)-1,3,5-triazin-2-yl]-L-leucinate;

Methyl N-[4-[(2-metlioxybenzyl)amino]-6-(4-methoxyphenoxy)-1,3,5-triazin-2-yl]-L-leucinate;

Methyl N-[4-[(3,5-difluorobenzyl)amino]-6-(4-methoxyphenoxy)-1,3,5-triazin-2-yl]-L-leucinate;

Methyl N-[4-[(3,5-dichlorobenzyl)amino]-6-(4-methoxyphenoxy)-1,3,5-triazin-2-yl]-L-leucinate;

Methyl N-[4-(benzylamino)-6-(4-methoxyphenoxy)-1,3,5-triazin-2-yl]-L-leucinate;

Methyl N-[4-(butylamino)-6-(4-methoxyphenoxy)-1,3,5-triazin-2-yl]-L-leucinate;

Methyl N-[4-(pentylamino)-6-(4-methoxyphenoxy)-1,3,5-triazin-2-yl]-L-leucinate;

Methyl N-{4-[(3-fluorophenyl)amino]-6-[(4-methoxyphenyl)thio]-1,3,5-triazin-2-yl} glycinate;

(2R)-2-((4-[(5-Chloro-2-methylphenyl)amino]-6-[(4-methoxyphenyl)thio]-1,3,5-triazin-2-yl}amino)-4-methylpentan-1-ol;

Methyl N-{4-[(5-chloro-2-methylphenyl)amino]-6-[(4-methoxyphenyl)thio]-1,3,5-triazin-2-yl}-L-leucinate;

Methyl N-{4-[(3-fluorophenyl)amino]-6-[(4-methoxyphenyl)thio]-1,3,5-triazin-2-yl}-L-leucinate;

1-{4-[(3-fluorophenyl)amino]-6-[(4-methoxyphenyl)thio]-1,3,5-triazin-2-yl} pyrrolidin-3-ol;

N²-4-[(3-fluorophenyl)amino]-6-[(4-methoxyphenyl)thio]-1,3,5-triazin-2-yl}-L-leucinamide;

N²-(3-fluorophenyl)-N⁴-isopentyl-6-[(4-methoxyphenyl)thio]-1,3,5-triazine-2,4-diamine;

(2S)-2-((4-[(3-fluorophenyl)amino]-6-[(4-methoxyphenyl)thio]-1,3,5-triazin-2-yl}amino)-4-methylpentan-1-ol;

Methyl N-{4-[(3-fluorophenyl)amino]-6-[(4-methoxyphenyl)thio]-1,3,5-triazin-2-yl}-L-phenylalaninate;

2-{4-[(3-fluorophenyl)amino]-6-[(4-methoxyphenyl)thio]-1,3,5-triazin-2-yl}amino propan-1-ol;

N^2 -(2,2-Dimethoxyethyl)- N^4 -(3-fluorophenyl)-6-[(4-methoxyphenyl)thio]-1,3,5-triazine-2,4-diamine;

Ethyl N-{4-[(3-fluorophenyl)amino]-6-[(4-methoxyphenyl)thio]-1,3,5-triazin-2-yl}-b-alaninate;

3-[{4-[(3-fluorophenyl)amino]-6-[(4-methoxyphenyl)thio]-1,3,5-triazin-2-yl} (methyl) amino]propanenitrile;

Methyl N-{4-[(3-fluorophenyl)amino]-6-[(4-methoxyphenyl)thio]-1,3,5-triazin-2-yl}-L-alaninate;

Methyl N-{4-[(3-fluorophenyl)amino]-6-[(4-methoxyphenyl)thio]-1,3,5-triazin-2-yl}-D-leucinate;

Methyl N-{4-[(2,3-dihydroxypropyl)thio]-6-[(3-fluorophenyl)amino]-1,3,5-triazin-2-yl}-L-leucinate;

Methyl N-4-[(3-fluorophenyl)amino]-6-[(3-methoxyphenyl)thio]-1,3,5-triazin-2-yl-L-leucinate;

Methyl N-{4-[(3-fluorophenyl)(methyl)amino]-6-[(4-methoxyphenyl)thio]-1,3,5-triazin-2-yl}-L-leucinate;

(R)-2-({4-[(3-fluorophenyl)amino]-6-[(4-methoxyphenyl)thio]-1,3,5-triazin-2-yl} amino)-4-methylpentan-1-ol;

Methyl N-{4-[(3-fluorophenyl)amino]-6-[(2-methoxyphenyl)thio]-1,3,5-triazin-2-yl}-L-leucinate;

Methyl N-[4-[(3-fluorophenyl)amino]-6-(phenylthio)-1,3,5-triazin-2-yl]-L-leucinate;

Methyl N-[4-[(3-fluorophenyl)amino]-6-(quinolin-2-ylthio)-1,3,5-triazin-2-yl]-L-leucinate;

Methyl N-{4-[(4-aminophenyl)thio]-6-[(3-fluorophenyl)amino]-1,3,5-triazin-2-yl}-L-leucinate;

Methyl N-4-[(3-bromophenyl)thio]-6-[(3-fluorophenyl)amino]-1,3,5-triazin-2-yl-L-leucinate;

Methyl N-[4-[(3-fluorophenyl)amino]-6-(pyrimidin-2-ylthio)-1,3,5-triazin-2-yl]-L-leucinate;

Methyl N-{4-{{2-(dimethylamino)ethyl]thio}-6-[(3-fluorophenyl)amino]-1,3,5-triazin-2-yl}}-L-leucinate;

Methyl N-{4-({1-[2-(dimethylamino)ethyl]-1H-tetraazol-5-yl}thio)-6-[(3-fluorophenyl)amino]-1,3,5-triazin-2-yl}}-L-leucinate;

Methyl N-{4-[(3-fluorophenyl)amino]-6-[(4-methoxyphenyl)sulfinyl]-1,3,5-triazin-2-yl}}-L-leucinate;

Methyl N-{4-[(3-fluorophenyl)amino]-6-[(4-methoxyphenyl)sulfonyl]-1,3,5-triazin-2-yl}}-L-leucinate;

N¹-[2-(Dimethylamino)ethyl]-N²-{4-[(3-fluorophenyl)amino]-6-[(4-methoxyphenyl)thio]-1,3,5-triazin-2-yl}}-L-leucinamide;

N²-{4-[(3-fluorophenyl)amino]-6-[(4-methoxyphenyl)thio]-1,3,5-triazin-2-yl}}-N¹-(tetrahydrofuran-2-ylmethyl)-L-leucinamide;

N²-{4-[(3-fluorophenyl)amino]-6-[(4-methoxyphenyl)thio]-1,3,5-triazin-2-yl}}-N¹-(2-morpholin-4-ylethyl)-L-leucinamide;

N¹-{2-[(tert-Butoxycarbonyl)amino]ethyl}-N²-{4-[(3-fluorophenyl)amino]-6-[(4-methoxyphenyl)thio]-1,3,5-triazin-2-yl}}-L-leucinamide;

N²-{4-[(3-fluorophenyl)amino]-6-[(4-methoxyphenyl)thio]-1,3,5-triazin-2-yl}}-N⁹-(pyridin-3-ylmethyl)-L-leucinamide;

N¹-(3,5-Difluorobenzyl)-N²-{4-[(3-fluorophenyl)amino]-6-[(4-methoxyphenyl)thio]-1,3,5-triazin-2-yl}}-L-leucinamide;

N²-{4-[(3-fluorophenyl)amino]-6-[(4-methoxyphenyl)thio]-1,3,5-triazin-2-yl}}-N¹-(2-furylmethyl)-L-leucinamide;

N²-{4-[(3-fluorophenyl)amino]-6-[(4-methoxyphenyl)thio]-1,3,5-triazin-2-yl}}-N¹-[3-(2-oxopyrrolidin-1-yl)propyl]-L-leucinamide;

N²-{4-[(3-fluorophenyl)amino]-6-[(4-methoxyphenyl)thio]-1,3,5-triazin-2-yl}}-N¹-(3-methoxybenzyl)-L-leucinamide;

N²-{4-[(3-fluorophenyl)amino]-6-[(4-methoxyphenyl)thio]-1,3,5-triazin-2-yl}}-N¹-(2-piperidin-1-ylethyl)-L-leucinamide;

N²-{4-[(3-fluorophenyl)amino]-6-[(4-methoxyphenyl)thio]-1,3,5-triazin-2-yl}}-N¹-[2-(2-

hydroxyethoxy)ethyl]-L-leucinamide;

$N^2\text{-}\{4\text{-[(3-fluorophenyl)amino]-6-[(4-methoxyphenyl)thio]-1,3,5-triazin-2-yl}\}\text{-}N^1\text{-}$
phenyl-L-leucinamide;

$N^2\text{-}\{4\text{-[(3-fluorophenyl)amino]-6-[(4-methoxyphenyl)thio]-1,3,5-triazin-2-yl}\}\text{-}N^1\text{-}$
propyl-L-leucinamide;

$N^2\text{-}\{4\text{-[(3-fluorophenyl)amino]-6-[(4-methoxyphenyl)thio]-1,3,5-triazin-2-yl}\}\text{-}N^1\text{-}(2\text{-}$
pyrrolidin-1-ylethyl)-L-leucinamide;

$N^2\text{-}(3\text{-fluorophenyl)\text{-}6-[(4\text{-methoxyphenyl)thio]\text{-}N}^4\text{-[(1S)\text{-}3\text{-methyl\text{-}1\text{-}}(morpholin\text{-}4\text{-}}$
ylcarbonyl)butyl]-1,3,5-triazine-2,4-diamine;

$N^1\text{-}\{2\text{-[4\text{-aminosulfonyl)phenyl]ethyl}\}\text{-}N^2\text{-}4\text{-[(3\text{-fluorophenyl)amino]-6-[(4\text{-}}$
methoxyphenyl)thio]-1,3,5-triazin-2-yl}-L-leucinamide;

$N^2\text{-}\{4\text{-[(3\text{-fluorophenyl)amino]-6-[(4\text{-methoxyphenyl)thio]-1,3,5-triazin-2-yl}\}\text{-}N^1\text{-}[2\text{-(1\text{-}}$
methylpyrrolidin-2-yl)ethyl]-L-leucinamide;

$N^2\text{-}\{4\text{-[(3\text{-fluorophenyl)amino]-6-[(4\text{-methoxyphenyl)thio]-1,3,5-triazin-2-yl}\}\text{-}N^1\text{-}(3\text{-}}$
methoxypropyl)-L-leucinamide;

$N^2\text{-}\{4\text{-[(3\text{-fluorophenyl)amino]-6-[(4\text{-methoxyphenyl)thio]-1,3,5-triazin-2-yl}\}\text{-}N^1\text{-}$
(pyridin-2-ylmethyl)-L-leucinamide;

Methyl $N\text{-}\{2\text{-[(3\text{-fluorophenyl)amino]-6-[(4\text{-methoxyphenyl)thio]pyrimidin-4-yl}\}\text{-}L\text{-}$
leucinate;

Methyl $N\text{-}\{4\text{-[(3\text{-fluorophenyl)amino]-6-[(4\text{-methoxyphenyl)thio]pyrimidin-2-yl}\}\text{-}L\text{-}$
leucinate;

$N\text{-}\{4\text{-[(3\text{-fluorophenyl)amino]-6-[(4\text{-methoxyphenyl)thio]pyrimidin-2-yl}\}\text{-leucine;}$

$N\text{-}\{4\text{-[(3\text{-fluorophenyl) (methyl) amino]-6-[(4\text{-methoxyphenyl)thio]pyrimidin-2-yl}\}\text{-}L\text{-}$
leucine;

$N\text{-}\{4\text{-chloro-6-[(4\text{-methoxyphenyl)thio]pyrimidin-2-yl}\}\text{-}N\text{-methyl-leucine;}$

Methyl $N\text{-}\{4\text{-[(3\text{-fluorophenyl)amino]-6-[(4\text{-methoxyphenyl)thio]pyrimidin-2-yl}\}\text{-}N\text{-}$
methylleucinate;

$N^2\text{-}\{4\text{-[(3\text{-fluorophenyl)amino]-6-(quinolin-2-ylthio)pyrimidin-2-yl}\}\text{-}N^1\text{-}$
(tetrahydrofuran-2-ylmethyl)-L-leucinamide;

$N^2\{-4\text{-(3-fluorophenyl)amino}-6\text{-[}(4\text{-methoxyphenyl})\text{thio]pyrimidin-2-yl}\}\text{-}N^1\text{-(2-furylmethyl)-L-leucinamide;}$

$N^2\{-4\text{-(3-fluorophenyl)amino}-6\text{-[}(4\text{-methoxyphenyl})\text{thio]pyrimidin-2-yl}\}\text{-}N^1\text{-(tetrahydrofuran-2-ylmethyl)-L-leucinamide;}$

$N^2\{-4\text{-(3-fluorophenyl)amino}-6\text{-[}(4\text{-methoxyphenyl})\text{thio] pyrimidin-2-yl}\}\text{-}N^1\text{-propyl-L- leucinamide;}$

$N^2\{-4\text{-(3-fluorophenyl)amino}-6\text{-[}(4\text{-methoxyphenyl})\text{ thio]pyrimidin-2-yl}\}\text{-}N^1\text{-(2-morpholin-4-ylethyl)-L-leucinamide;}$

$N^1\text{-(2,2-methoxyethyl)-}N^2\{-4\text{-(3-fluorophenyl)amino}-6\text{-[}(4\text{-methoxyphenyl})\text{ thio] pyrimidin-2-yl}\}\text{-}N^1\text{-L-leucinamide;}$

$N^2\{-4\text{-(3-fluorophenyl)amino}-6\text{-[}(4\text{-methoxyphenyl})\text{thio]pyrimidin-2-yl}\}\text{-}N^1\text{-(2-pyridin-2 ylethyl)-L-leucinamide;}$

Methyl $N\{-4\text{-(3-fluorophenyl)amino}-6\text{-[}(4\text{-methoxyphenyl})\text{thio] pyrimidin-2-yl}\}\text{-L- leucylglycinate;}$

$N^2\{-4\text{-(3-fluorophenyl) amino}-6\text{-[}(4\text{-methoxyphenyl})\text{thio]pyrimidin-2-yl}\}\text{-}N^1\text{-[3-(1H-imidazol-1-yl)propyl] -L-leucinamide;}$

$N^2\{-4\text{-(3-fluorophenyl)amino}-6\text{-[}(4\text{-methoxyphenyl})\text{ thio]pyrimidin-2-yl}\}\text{-}N^1\text{-(2-isopropoxyethyl)-L-leucinamide;}$

$N^2\{-4\text{-(3-fluorophenyl)amino}-6\text{-[}(4\text{-methoxyphenyl})\text{ thio]pyrimidin-2-yl}\}\text{-}N^1\text{-[2-(methylthio)ethyl]-L-leucinamide;}$

$N^2\{-4\text{-(3-fluorophenyl)amino}-6\text{-[}(4\text{-methoxyphenyl})\text{thio]pyrimidin-2-yl}\}\text{-}N^1\text{-pentyl-L- leucinamide;}$

$N\{-4\text{-(3-fluorophenyl)amino-6-[}(4\text{-methoxyphenyl})\text{ thio]pyrimidin-2-yl}\}\text{-L- leucylglycine;}$

$N^2\{-4\text{-(3-fluorophenyl)amino}-6\text{-[}(4\text{-methoxyphenyl})\text{thio]pyrimidin-2-yl}\}\text{-}N^1\text{-[}(2\text{-(1H-imidazol-5-yl)ethyl}]\text{-L-leucinamide;}$

$N^2\{-4\text{-(3-fluorophenyl) amino}-6\text{-[}(4\text{-methoxyphenyl})\text{ thio]pyrimidin-2-yl}\}\text{-}N^1\text{- methoxy-N^1-methyl-L-leucinamide;}$

$N^2\{-4\text{-(3-fluorophenyl)amino}-6\text{-[}(4\text{-methoxyphenyl})\text{ thio]pyrimidin-4-yl}\}\text{-}N^1\text{-(2-$

morpholin-4-ylethyl)-L-leucinamide;

$N^2\{-2\{[(3\text{-fluorophenyl})\text{amino}]\text{-}6\{[(4\text{-methoxyphenyl})\text{thio}]\text{pyrimidin-4-yl}\}\text{-}N^1\}$ -
(tetrahydrofuran-2-ylmethyl)-L-leucinamide;
 $N^2\{-2\{[(3\text{-fluorophenyl})\text{amino}]\text{-}6\{[(4\text{-methoxyphenyl})\text{thio}]\text{pyrimidin-4-yl}\}\text{-}N^1\}$ -propyl-
L-leucinamide;

(S)-2-[4-(3-Cyano-phenylamino)-6-(thiazol-2-ylsulfanyl)-pyrimidin-2-ylmethyl]-4-
methyl-pentanoic acid (tetrahydro-furan-2-ylmethyl)-amide;

(S)-2-[4-(3-Cyano-phenylamino)-6-(pyridin-2-ylsulfanyl)-pyrimidin-2-ylmethyl]-4-
methyl-pentanoic acid(tetrahydro-furan-2-ylmethyl)-amide;

$N^2\{-4\{[(3\text{-Methyl-propyl})\text{thio}]\text{amino}\}\text{-}6\{[(4\text{-methoxyphenyl})\text{thio}]\text{pyrimidin-2-yl}\}\text{-}N^1\}$ -
(tetrahydrofuran-2-ylmethyl)-L-leucinamide leucinamide;

$N^2\{-4\{[(2\text{-Pyridyl})\text{amino}]\text{-}6\{[(4\text{-methoxyphenyl})\text{thio}]\text{pyrimidin-2-yl}\}\text{-}N^1\}$ -
(tetrahydrofuran-2-ylmethyl)-L-leucinamide leucinamide;

(S)-2-[4-(3-Cyano-phenylamino)-6-(4-methoxy-phenylsulfanyl)-pyrimidin-2-ylmethyl]-
4-methyl-pentanoic acid (2-methylsulfanyl-ethyl)-amide;

$N^2\{-2\{[(3\text{-Fluorophenyl})\text{aminol}]\text{-}6\{[(4\text{-methoxyphenyl})\text{thio}]\text{pyrimidin-4-yl}\}\text{-}N^1\}$ -1-
morpholin-4-yl-L-leucinamide leucinamide;

2-[6-(3-Fluoro-phenylamino)-2-(4-methoxy-phenylsulfanyl)-pyrimidin-4-ylamino]-4-
methyl-pentanoic acid methyl ester;

(S)-2-[6-(3-Fluoro-phenylamino)-4-(4-methoxy-phenylsulfanyl)-pyridin-2-ylamino]-4-
methyl-pentanoic acid methyl ester;

$N^2\text{-}(3\text{-Fluoro-phenyl})\text{-}6\{[(4\text{-methoxyphenyl})\text{thio}]\text{pyrimidin-2-yl}\}\text{-}N^4\text{-}(3\text{-methyl-1-pyridin-2-yl-})$
butyl)-pyrimidine-2,4-diamine;

$N^4\text{-}(3\text{-Fluoro-phenyl})\text{-}6\{[(4\text{-methoxyphenyl})\text{thio}]\text{pyrimidin-2-yl}\}\text{-}N^2\text{-}(3\text{-methyl-1-pyridin-2-yl-})$
butyl)-pyrimidine-2,4-diamine;

(S)-2-[4-(3-Cyano-phenylamino)-6-(quinolin-8-ylsulfanyl)-pyrimidin-2-ylmethyl]-4-
methyl-pentanoic acid (tetrahydro-furan-2-ylmethyl)-amide;

(S)-2-[4-(4-Amino-phenylsulfanyl)-6-(3-cyano-phenylamino)-pyrimidin-2-ylmethyl]-4-
methyl-pentanoic acid (tetrahydro-furan-2-ylmethyl)-amide;

(S)-2-[3-(3-Fluoro-phenylamino)-5-(4-methoxy-phenylsulfanyl)-phenylamino]-4-methyl-pentanoic acid methyl ester;

(S)-2-[2-(3-Fluoro-phenylamino)-6-(4-methoxy-phenylsulfanyl)-pyridin-4-ylamino]-4-methyl-pentanoic acid methyl ester;

(S)-2-[6-(3-Fluoro-phenylamino)-4-(4-methoxy-phenylsulfanyl)-l-oxy-pyridin-2-ylamino]-4-methyl-pentanoic acid methyl ester; and

(S)-2-[4-(3-Fluoro-phenylamino)-6-(4-methoxy-phenylsulfanyl)-pyridin-2-ylamino]-4-methyl-pentanoic acid methyl ester.

41-43. (cancelled).

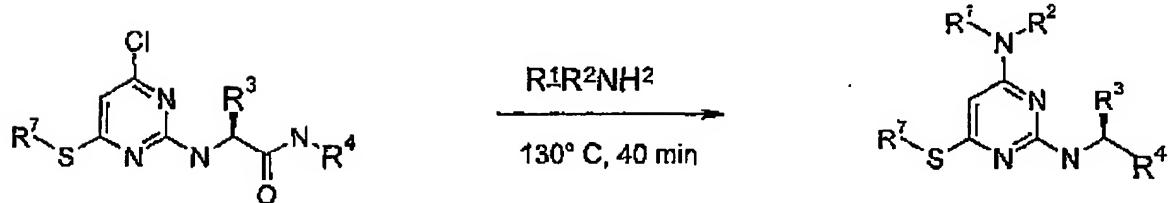
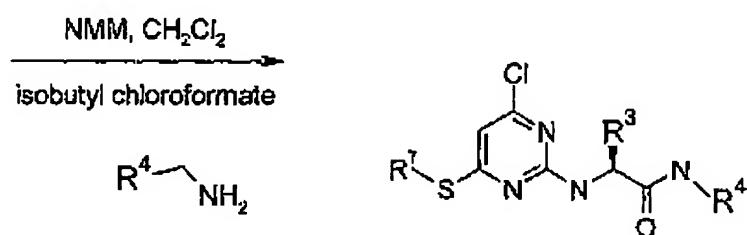
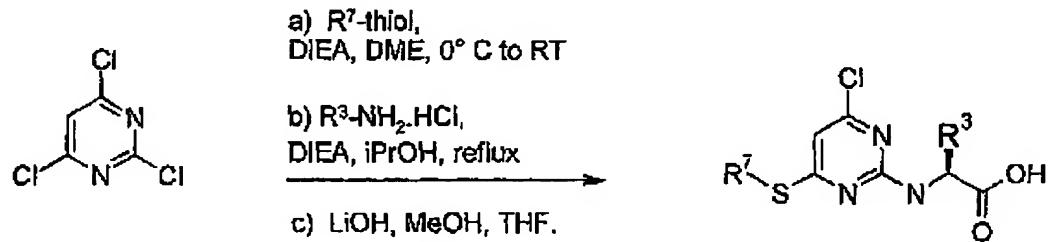
44. (currently amended) A method for the treatment of neurological disorders associated with β -amyloid production comprising administering administering to a warm-blooded animal in need of such treatment a therapeutically effective amount of a compound according to any one of claims 1-40 claim 1.

45. (currently amended) A method for inhibiting γ -secretase activity comprising administering to a warm- blooded animal in need of such inhibition a therapeutically effective amount of a compound according to any one of claims 1-40 claim 1.

46. (currently amended) A method for the treatment or prophylaxis of Alzheimer's disease or Down's syndrome comprising administering administering to a warm-blooded animal in need of such treatment a therapeutically effective amount of a compound according to any one of claims 1-40 claim 1.

47. (currently amended) A pharmaceutical composition comprising a compound according to any one of claims 1-40 claim 1, or a pharmaceutically acceptable salt or in vivo hydrolysable ester thereof thereof, together with at least one pharmaceutically acceptable carrier, diluent or excipient.

48. (currently amended) A process for preparing a compound of formula (I) as recited in claim 1 or a pharmaceutically acceptable salt or in vivo hydrolysable ester thereof thereof which process comprises :



49. (currently amended) A process for preparing a compound of formula(II) as recited in claim 19 or a pharmaceutically acceptable salt or in vivo hydrolysable ester thereof thereof which process comprises:

